

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. $33^{\circ} 54' 22''$ N.

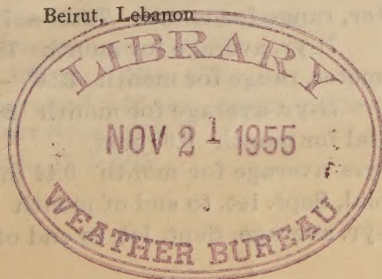
LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

July 1948

ROBERT W. SLOANE, DIRECTOR

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Beirut, Lebanon



JULY 1948

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.5	58.5	59.0	58.7	30.3	21.7	27.2	29.8	26.2	27.7
2	8.6	7.5	7.8	8.0	30.0	23.1	27.8	29.8	26.2	27.9
3	7.4	6.8	6.0	6.9	30.8	23.7	28.3	30.1	25.0	27.8
4	5.3	3.4	3.8	4.2	32.5	23.9	28.2	29.6	25.8	27.9
5	3.4	3.6	4.1	3.7	31.7	22.2	28.9	31.2	27.7	29.3
6	54.8	55.0	55.2	55.0	31.5	22.3	27.8	30.5	25.1	27.8
7	6.3	6.0	6.1	6.1	31.2	22.7	27.9	30.5	24.8	27.7
8	5.8	5.8	6.4	6.0	32.1	22.3	28.0	31.3	25.5	28.3
9	6.3	6.2	6.0	6.2	31.2	21.8	27.9	30.5	24.4	27.6
10	6.0	5.3	5.2	5.5	30.8	21.9	27.9	29.4	27.2	28.2
11	55.0	54.3	54.8	54.7	31.3	22.5	27.6	31.0	27.8	28.8
12	5.5	5.2	5.3	5.3	31.8	23.3	28.2	31.1	25.1	28.1
13	5.5	3.7	3.5	4.2	32.1	23.9	29.3	31.3	25.7	28.8
14	2.4	1.5	1.8	1.9	32.9	24.8	28.9	31.6	28.9	29.8
15	2.8	2.1	2.7	2.5	32.0	23.0	28.2	31.1	25.3	28.2
16	52.8	53.0	53.7	53.2	31.9	23.3	28.8	31.3	25.5	28.5
17	4.1	3.6	3.9	3.9	32.4	22.3	28.3	31.5	25.1	28.3
18	4.3	3.8	4.1	4.1	32.5	21.7	27.9	31.2	25.1	28.1
19	4.3	4.7	5.8	4.9	32.0	22.4	28.2	31.4	24.9	28.2
20	6.5	6.6	7.0	6.7	31.4	22.3	28.1	31.0	24.7	27.9
21	56.2	55.0	54.9	54	32.2	23.4	28.8	31.6	26.6	29.0
22	4.8	4.7	4.5	4.7	31.7	24.1	31.1	29.9	26.4	29.1
23	4.2	4.4	4.8	4.5	30.9	23.2	29.4	30.2	25.7	28.4
24	6.0	6.6	6.9	6.5	32.8	23.3	29.1	31.6	25.7	28.8
25	7.3	7.5	7.5	7.4	32.5	23.1	27.7	32.1	24.9	28.2
26	56.4	55.1	54.8	55.4	32.1	22.2	28.7	30.5	24.9	28.0
27	2.9	2.6	2.5	2.7	31.8	23.8	27.7	30.9	25.6	28.1
28	2.9	2.8	3.6	3.1	30.4	23.8	28.7	28.8	25.8	27.8
29	5.8	5.7	6.7	6.1	31.6	24.3	29.3	30.6	25.5	28.5
30	6.9	6.3	7.0	6.7	31.8	23.4	29.4	29.8	26.1	28.4
31	6.0	4.9	4.8	5.2	31.9	23.1	28.3	31.5	26.1	28.6
	55.32	54.91	55.17	55.14	31.68	22.99	28.44	30.73	25.78	28.31

Barometer, range for month 759.0 — 751.5 mm.

,, 71-yr. average for month 755.46 mm.

Thermometer, range for month 32.9° — 21.7°C

,, 71-yr. average for month 28.02 °C.

Rain, total for month 0.00 mm.

,, 71-yrs. average for month 0.44 mm.

,, Total, Sept. 1st. to end of month 1152.38 mm.

,, 71-yr. average, Sept. 1st. to end of month 891.85 mm.

JUNE 1948

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	25.6	24.8	21.7	24.0	70	59	65	65	12.5	150.0	
2	27.3	23.8	21.7	24.3	73	59	65	66	12.6	154.0	
3	30.5	29.2	30.2	30.0	79	70	92	80	12.0	282.0	
4	28.0	30.4	29.0	29.1	76	75	89	80	12.2	312.0	
5	28.6	30.6	26.5	28.6	72	67	70	70	12.0	351.0	
6	27.3	28.8	26.0	27.4	73	65	81	73	12.5	187.0	
7	28.7	27.2	26.6	27.5	77	62	83	74	12.9	370.0	
8	28.0	31.4	28.3	29.2	74	69	86	76	12.0	517.0	
9	27.3	25.8	24.4	25.8	74	58	78	70	12.7	349.0	
10	23.0	23.8	21.5	22.8	62	57	59	59	8.2	169.0	
11	25.1	26.8	31.0	27.6	67	59	83	70	12.3	122.0	
12	28.3	29.9	28.3	28.8	72	65	86	74	12.4	251.0	
13	28.1	31.4	29.0	29.5	69	69	90	76	12.7	652.0	
14	29.3	34.2	28.6	30.7	74	72	71	72	11.3	914.0	
15	27.5	23.8	27.6	26.3	71	63	84	73	12.2	249.0	
16	28.6	29.1	28.3	28.7	72	65	86	74	11.6	320.0	
17	29.8	31.0	28.8	29.9	77	67	90	78	12.7	478.0	
18	25.1	27.6	26.0	26.2	67	62	81	70	12.5	467.0	
19	26.1	23.9	20.7	23.6	67	53	65	62	12.4	393.0	
20	24.7	25.3	24.4	24.8	61	56	79	65	12.1	201.0	
21	27.1	29.4	21.9	26.1	69	63	63	65	12.7	398.0	
22	25.3	23.3	21.9	23.5	56	55	63	58	12.7	917.0	
23	26.7	26.2	25.1	26.0	64	61	76	67	12.3	513.0	
24	26.4	29.4	27.6	27.8	66	63	85	71	12.6	190.0	
25	28.7	33.0	27.3	29.7	77	68	85	77	12.5	217.0	
26	28.6	27.2	24.6	26.8	72	62	77	70	13.0	320.0	
27	26.5	29.1	28.3	28.0	71	64	86	74	11.5	542.0	
28	28.7	30.1	29.0	29.3	77	76	88	80	5.1	768.0	
29	31.2	31.9	29.8	31.0	76	72	91	80	4.3	154.0	
30	29.6	31.5	30.1	30.4	72	75	88	78	6.2	229.0	
31	28.0	26.3	25.1	26.5	75	55	74	68	10.0	196.0	
	27.54	28.26	26.43	27.41	71.0	64.1	79.3	71.4	11.44	368.77	0.00

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71 year averages are for period, 1875-1945

JUNE 1948

METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	1sw	1w	0	light	
2	1cu	0	0	0.3	1w	1w	0	"	
3	0	3cu-ci	0	1.0	1w	1nw	0	"	
4	3cu	0	0	1.0	2sw	1sw	0	"	
5	0	1ci	0	0.3	3sw	2sw	0	"	
6	1cu	0	0	0.3	3sw	2sw	0	slight	
7	4cu	0	0	1.3	2sw	2w	0	"	
8	0	0	0	0.0	3sw	2sw	1sw	"	
9	4cu	0	0	1.3	2sw	2sw	1sw	"	
10	1ci	7cu	8cu	5.3	2sw	2w	0	"	
11	2cu	3cu	0	1.7	1sw	1w	0	light	
12	4cu	0	0	1.3	1sw	2sw	0	"	
13	1cu	0	4cu	1.7	1sw	2sw	2sw	"	
14	6cust	0	0	2.0	4sw	3sw	4sw	slight	W. all day
15	0	0	0	0.0	3sw	2sw	1sw	"	
16	1ci	1ci	0	0.7	2sw	2sw	0	slight	
17	2ci	1ci	1cu	1.3	2sw	2sw	0	"	
18	3cu	2cu	0	1.7	1sw	3sw	0	light	
19	4cu	0	0	1.3	2sw	2sw	0	slight	
20	0	4cu	8cu	4.0	1sw	2w	0	"	
21	0	0	0	0.0	1sw	1nw	0	slight	
22	0	0	0	0.0	1ne	4ne	4ne	mod.	
23	0	0	0	0.0	3ne	4ne	2ne	"	W.
24	0	0	0	0.0	1n	1w	0	light	
25	0	0	0	0.0	1w	1sw	0	"	
26	0	0	0	0.0	2sw	1w	0	light	
27	1ci	2ci	0	1.0	3sw	2sw	0	slight	
28	3cu-ci	10st	1ci	4.7	2sw	2w	0	light	
29	4cu-ci	9cu	0	4.3	1w	1sw	0	"	
30	0	10cu	9cu	6.3	1sw	2sw	1sw	"	
31	0	2cu-ci	6ci	2.7	1sw	2sw	0	"	
				1.46					

* Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	2	0	0	0	24	4	0	0	31
14:30	0	2	0	0	0	18	9	2	0	31
20:30	0	2	0	0	0	6	0	0	33	31
Total	1	6	0	0	0	48	13	2	23	93

Number of days with rain 0, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 0.17